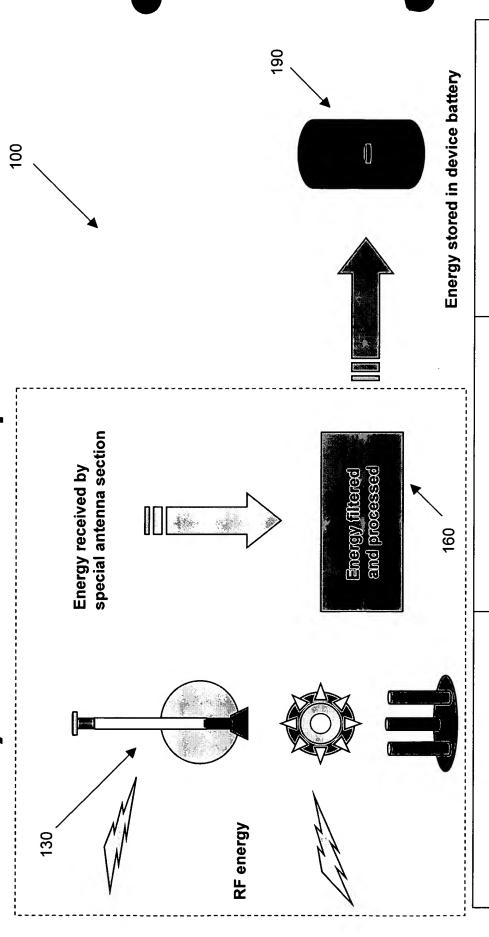


ERS System Concept



Energy Harvesting Subsystem (EHS) | Energy Conversion Subsystem (ECS)

Energy Storage Subsystem (ESS)

ENERGY RECLAMATION SYSTEM (ERS)

Fig. 4

Antenna Design

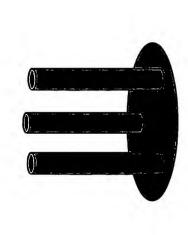


Fig. 5A

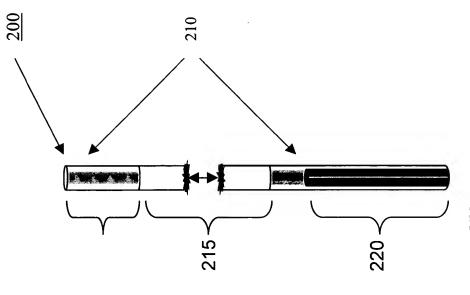


Fig. 5B

Alternate Antenna Design

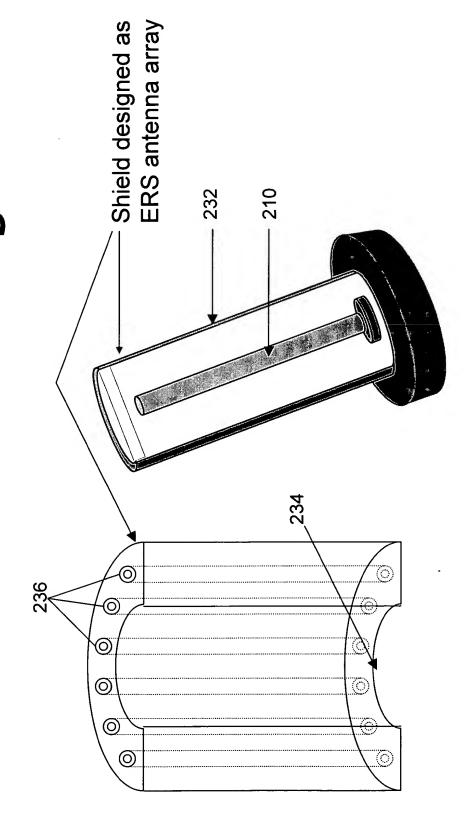


Fig. 6

Energy Harvesting for Wireless Devices

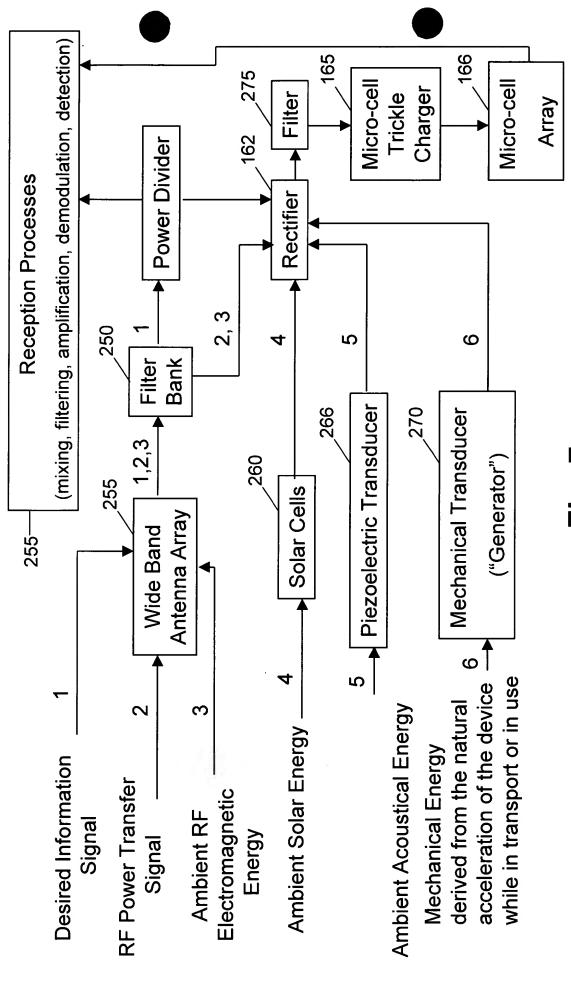
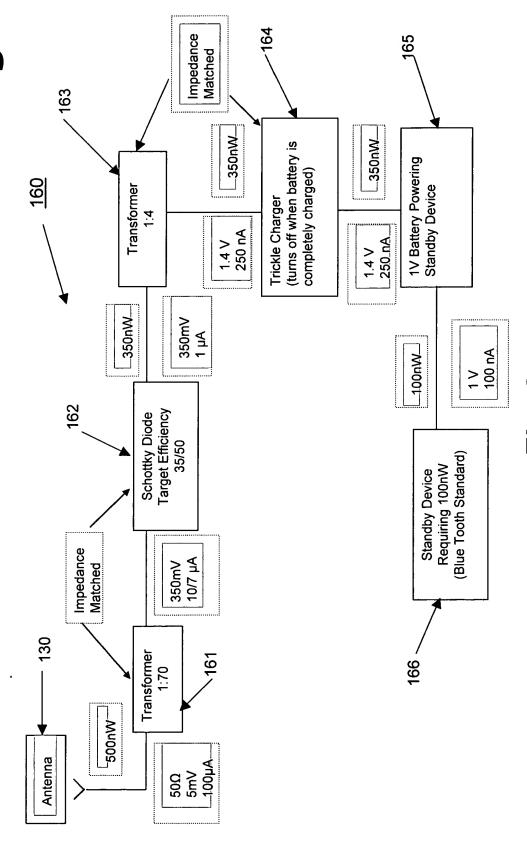


Fig. 7

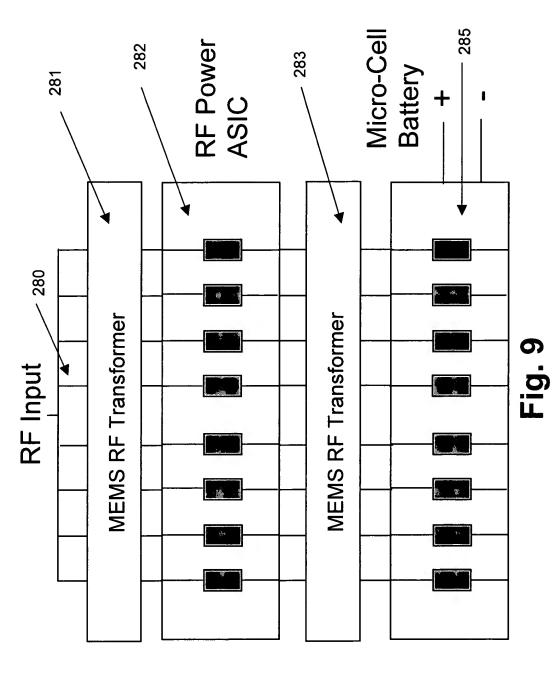
RF to DC Power Conversion Design



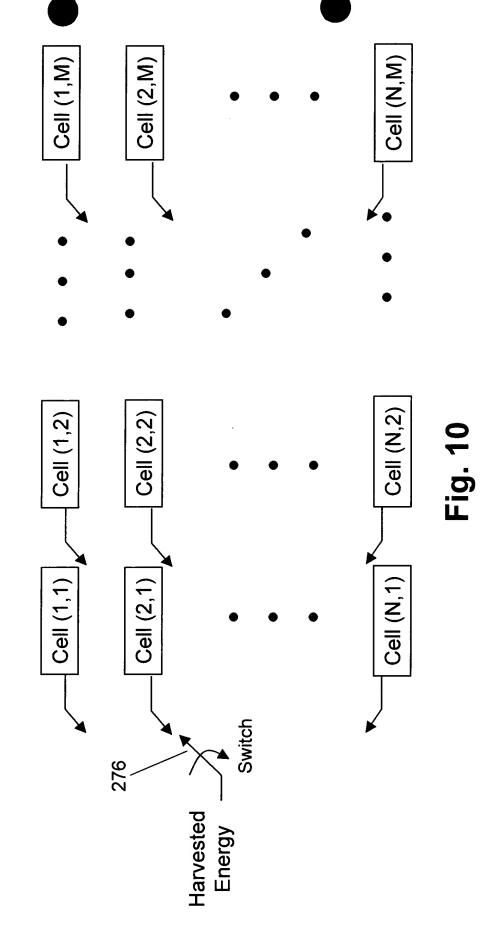
x - 3

Fig. 8

Charge/Power Storage Design Concept RF to DC Power Conversion/Trickle



Battery Micro-cell Charging (Trickle Charge)



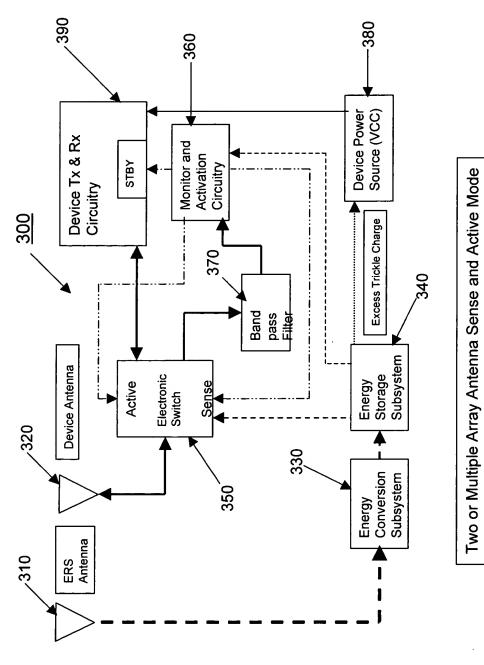
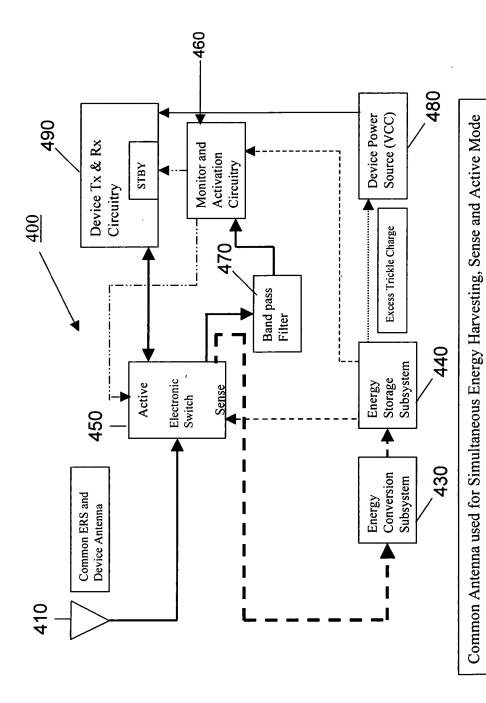
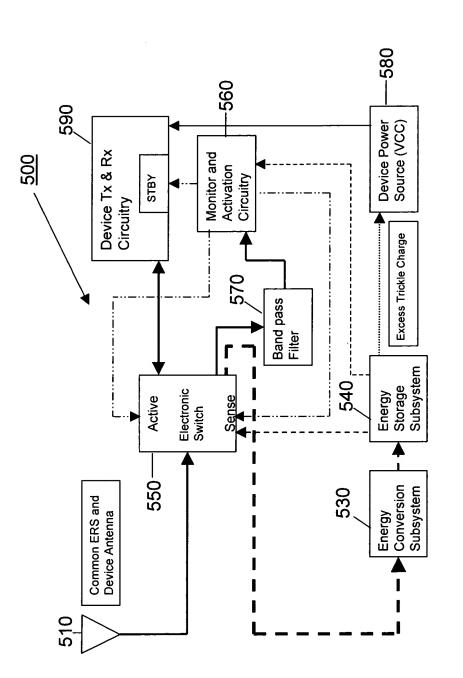


Fig. 11



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Fig. 12



Link G

Fig. 13

Common Antenna Sense and Active Mode